

JUNG ET AL. - 10/728,948
Client/Matter: 040008-0307076

REMARKS

Claims 1, 2, 4, and 6-20 are currently pending. By this Amendment, the claims 1, 2, and 6-9 are amended, claims 3 and 5 are cancelled and claims 17-20 are newly added. No new matter is added. Reconsideration in view of the above-outlined amendments and the following remarks is respectfully requested.

Applicant acknowledges and appreciates the indication of allowable subject matter in claims 3, 5, 7-11 and 13-16. In response, claim 1 is amended to incorporate the features of claims 3 and 5. Accordingly, applicant respectfully submits that independent claim 1 is in condition for allowance. Claims 7-16 depend from claim 1 and are allowable for at least the same reasons.

Newly added independent claim 17 is directed to a semiconductor device having a substrate, an insulating layer on the substrate, a contact hole on the insulating layer, a barrier metal layer in the contact hole and on the insulating layer, a first metal layer on side of the barrier metal layer, and a second metal layer on the first metal layer, wherein the barrier metal layer and the first metal layer are formed by an atomic layer deposition process. The cited prior art does not disclose the subject matter of newly added claim 17. In particular, these references do not disclose the claimed barrier metal layer, first metal layer and the second metal layer where the barrier metal layer and the first metal layer are formed by an atomic layer deposition process. Claims 18-20 depend from claim 17 and are allowable over the cited prior art for at least the same reasons.

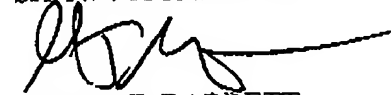
Applicants respectfully submit that the claims define subject matter that is patentable over the prior art cited of record. It is respectfully submitted that the application is in condition for allowance. Should further issues require resolution prior to allowance, the Examiner is requested to telephone applicants' undersigned attorney at the number below.

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Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

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